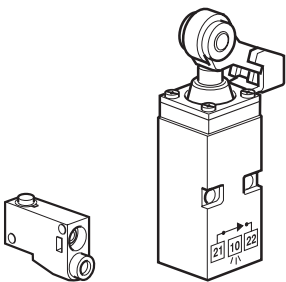


PXC Limit Switches



- High durability
- Very good repeat accuracy
- Design for process duty cycle
- Push-in or threaded connection
- Versatile and easily maintained
- Wide range of bodysize and actuator style



Specification

Material

Valve body	Zinc alloy
Poppets	Polyurethane
Seals	Nitrile

Operating information

Working pressure; PXC-M111, PXC-M121, PXC-M521, PXC-M601, PXC-J: 3-8 bar PXC-K: 3-9 bar		Flow: (acc. to ISO 6358)	Qmax=	PXC-M111	PXC-M121	PXC-M521/ PXC-M601
				60	85	250 l/s
Working temperature	-15 °C to +60 °C	Flow: (acc. to ISO 6358)	Qmax=	PXC-K	PXC-J	
				210	210 l/s	

3/2 miniatures limit switches

With Ø4 mm Push-in connections (M5 on request)

Bore Ø1,5 mm, flow 60 NI/min

Symbol	Actuator	Return	Operating forces at 6 bar, N	Weight Kg	Order code	D
	Steel plunger	Spring	11	0,030	PXC-M111	1
	Plastic roller lever			0,008	PXC-Z11	1
	Plastic roller lever, one way trip			0,008	PXC-Z12	1

Bore Ø1,5 mm, flow 85 NI/min

Symbol	Actuator	Return	Operating forces at 6 bar, N	Weight Kg	Order code	D
	Plastic roller	Spring	4,5	0,040	PXC-M121	1
	Steel roller	Spring	4,5	0,045	PXC-M131	1

Bore Ø2,5 mm, flow 250 NI/min

Symbol	Actuator	Return	Operating forces at 6 bar, N	Weight Kg	Order code	D
	Plastic roller	Spring	7	0,060	PXC-M521	1

3/2 compact limit switches

With Ø4 mm Push-in connections
with pipeable exhaust port

Bore Ø2,5 mm, flow 250 NI/min

With plunger head

Symbol	Actuator	Return	Operating forces at 6 bar, N	Weight Kg	Order code	D
	Steel plunger	Spring	24	0,150	PXC-M601A110	1
	Operating lever, for PXC-M601A110	Stainless steel retractable roller lever	-	0,080	XCM-Z24	3

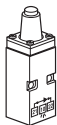
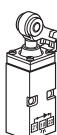
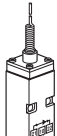
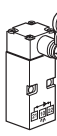
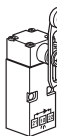
	Symbol	Actuator	Return	Operating forces at 6 bar, N	Weight Kg	Order code	D
		Steel roller plunger	Spring	24	0,160	PXC-M601A102	1
		90° steel roller plunger	Spring	24	0,160	PXC-M601A103	1

3/2 limit switches “K series”

With Ø4 mm Push-in connections
with pipeable exhaust port
snap action and low operating force

Bore Ø3 mm

With plunger

	Symbol	Actuator	Return	Operating forces at 6 bar	Weight Kg	Order code	D
		Steel plunger	Spring	16 N	0,270	PXC-K21101	3
		Steel plunger	Spring	16 N	0,270	PXC-K22101	3
		Steel roller plunger	Spring	16 N	0,310	PXC-K21102	3
		Steel roller plunger	Spring	16 N	0,310	PXC-K22102	3
		Plastic roller plunger	Spring	16 N	0,320	PXC-K21121	3
		Plastic roller plunger	Spring	16 N	0,320	PXC-K22121	3
		Whisker	Spring	0,05 Nm	0,270	PXC-K21106	3
		Whisker	Spring	0,05 Nm	0,270	PXC-K22106	3
		Plastic roller lever *	Spring	0,21 Nm	0,360	PXC-K2110531	3
		Plastic roller lever *	Spring	0,21 Nm	0,360	PXC-K2210531	3
		Adjustable lever Spring with Delrin roller *	Spring	0,21 Nm	0,360	PXC-K2110541	3
		Adjustable lever Spring with Delrin roller	Spring	0,21 Nm	0,360	PXC-K2210541	3

* Direction of actuation can be set as required
- from right and left
- from right
- from left

3/2 limit switches “K series”

Separate components, exhaust silencer see page 755

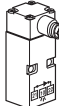
Bore Ø3 mm

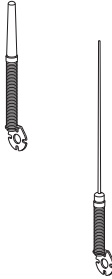
Pneumatic switch bodies, for use in association with all **ZCK-D..** series operating heads

	Symbol	Actuator	Return	Operating forces at 6 bar, N	Weight Kg	Order code	D
		-		16	0,320	PXC-K211	1
		-		16	0,320	PXC-K221	1

Pneumatic switch bodies with rotary heads
Direction of actuation can be set as required:

- From right and left
- From right
- From left

	Symbol	Actuator	Return	Operating forces at 6 bar, Nm	Weight Kg	Order code	D
		Rotary head	Spring	0,21	0,340	PXC-K21105	3
		Rotary head	Spring	0,21	0,340	PXC-K22105	3

		Actuator	Weight Kg	Order code	D
Rod		Ø3 mm fibre glass	0,025	ZCK-Y55	3
		Square steel 3 mm	0,025	ZCK-Y54	3
Spring rod		Plastic	0,010	ZCK-Y81	3
		Metal	0,030	ZCK-Y91	3

3/2 limit switches “J series”

With Ø4 mm Push-in connections (M5 or G1/8 on request)

With pipeable exhaust port, exhaust silencer see page 755

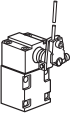
Snap action and low operating force

Bore Ø3 mm

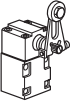
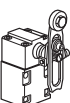
With plunger head

	Symbol	Actuator	Return	Operating forces at 6 bar, N	Weight Kg	Order code	D
		Steel plunger	Spring	16	0,515	PXC-J11161	3
		Steel plunger	Spring	16	0,515	PXC-J12161	3
		Steel roller plunger	Spring	16	0,525	PXC-J11162	3
		Steel roller plunger	Spring	16	0,525	PXC-J12162	3
		Whisker	Spring	16	0,510	PXC-J11170	3
		Whisker	Spring	16	0,510	PXC-J12170	3

With rotary head and operating lever

	Symbol	Actuator	Direction of actuation	Return	Operating forces at 6 bar, Nm	Weight Kg	Order code	D
		Rigid rod	Right AND left	Spring	0,05	0,570	PXC-J1110151	3
		Rigid rod	Right AND left	Spring	0,05	0,570	PXC-J1210151	3
		Rigid rod	Right OR left	Spring	0,05	0,570	PXC-J1110551	3
		Rigid rod	Right OR left	Spring	0,05	0,570	PXC-J1210551	3

With rotary head and operating lever

	Symbol	Actuator	Direction of actuation	Return	Operating forces at 6 bar, Nm	Weight Kg	Order code	D
		Delrin roller lever	Right AND left	Spring	0,25	0,565	PXC-J1110111	3
				Spring	0,25	0,565	PXC-J1210111	3
		Delrin roller lever	Right OR left	Spring	0,25	0,565	PXC-J1110511	3
				Spring	0,25	0,565	PXC-J1210511	3
		Variable length lever with thermoplastic roller	Right AND left	Spring	0,25	0,580	PXC-J1110131	3
				Spring	0,25	0,580	PXC-J1210131	3
		Variable length lever with thermoplastic roller	Right OR left	Spring	0,25	0,580	PXC-J1110531	3
				Spring	0,25	0,580	PXC-J1210531	3

3/2 limit switches “J series”

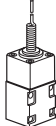
With G1/8 connection

With pipeable exhaust port, exhaust silencer see page 755

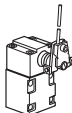
Snap action and low operating force

Bore Ø3 mm

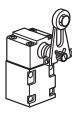
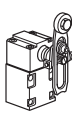
With plunger head

	Symbol	Actuator	Return	Operating forces at 6 bar, N	Weight Kg	Order code	D
		Steel plunger	Spring	16	0,515	PXC-J11861	3
		Steel plunger	Spring	16	0,515	PXC-J12861	3
		Steel roller plunger	Spring	16	0,525	PXC-J11862	3
		Steel roller plunger	Spring	16	0,525	PXC-J12862	3
		Whisker	Spring	16	0,510	PXC-J11870	3
		Whisker	Spring	16	0,510	PXC-J12870	3

With rotary head and operating lever

	Symbol	Actuator	Direction of actuation	Return	Operating forces at 6 bar, Nm	Weight Kg	Order code	D
		Rigid rod	Right AND left	Spring	0,05	0,570	PXC-J1180151	3
		Rigid rod	Right AND left	Spring	0,05	0,570	PXC-J1280151	3
		Rigid rod	Right OR left	Spring	0,05	0,570	PXC-J1180551	3
		Rigid rod	Right OR left	Spring	0,05	0,570	PXC-J1280551	3

With rotary head and operating lever

	Symbol	Actuator	Direction of actuation	Return	Operating forces at 6 bar, Nm	Weight Kg	Order code	D
		Delrin roller lever	Right AND left	Spring	0,25	0,565	PXC-J1180111	3
				Spring	0,25	0,565	PXC-J1280111	3
		Delrin roller lever	Right OR left	Spring	0,25	0,565	PXC-J1180511	3
				Spring	0,25	0,565	PXC-J1280511	3
		Variable length lever with thermoplastic roller	Right AND left	Spring	0,25	0,580	PXC-J1180131	3
				Spring	0,25	0,580	PXC-J1280131	3
		Variable length lever with thermoplastic roller	Right OR left	Spring	0,25	0,580	PXC-J1180531	3
				Spring	0,25	0,580	PXC-J1280531	3

3/2 limit switches “J series”

With Ø4 mm Push-in connections

Sub-assemblies, exhaust silencer see page 755

Bore Ø3 mm

Pneumatic switch bodies*

For use in association with all **ZC2-JC** operating heads

	Symbol	Actuator	Return	Operating forces at 6 bar, N	Weight Kg	Order code	D
		-	Spring	16	0,320	PXC-J111	1
		-	Spring	16	0,320	PXC-J121	1

	Symbol	Actuator	Direction of actuation	Return	Operating forces at 6 bar, Nm	Weight Kg	Order code	D
		-	Right AND left	Spring	0,05	0,535	PXC-J11101	3
		-	Right AND left	Spring	0,05	0,535	PXC-J12101	3
		-	Right OR left	Spring	0,05	0,535	PXC-J11105	3
		-	Right OR left	Spring	0,05	0,535	PXC-J12105	3

	Actuator	Weight Kg	Order code	D
	Steel roller lever	0,040	ZC2-JY13	3
	Spring plastic rod	0,040	ZC2-JY81	3
	Spring metal rod	0,040	ZC2-JY91	3
	Variable length lever with delrin roller	0,050	ZC2-JY41	3

* The switch bodies are available with G1/8 threaded connection.
Replace the 3rd digit in the reference by 8. Example PXC-J11861

3/2 limit switches “J series”

With G1/8 connection

Sub-assemblies, exhaust silencer see page 755

Bore Ø3 mm

Pneumatic switch bodies*

For use in association with all **ZC2-JC••** operating heads

	Symbol	Actuator	Return	Operating forces at 6 bar, N	Weight Kg	Order code	D
		-		16	0,320	PXC-J118	1
		-		16	0,320	PXC-J128	3

	Symbol	Actuator	Direction of actuation	Return	Operating forces at 6 bar, Nm	Weight Kg	Order code	D
		-	Right AND left	Spring	0,05	0,535	PXC-J11801	3
		-	Right AND left	Spring	0,05	0,535	PXC-J12801	3
		-	Right OR left	Spring	0,05	0,535	PXC-J11805	3
		-	Right OR left	Spring	0,05	0,535	PXC-J12805	3

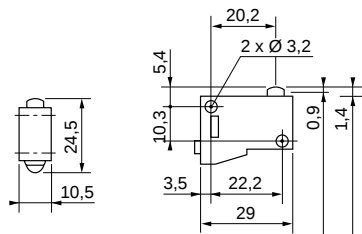
	Actuator	Weight Kg	Order code	D
	Steel roller lever	0,040	ZC2-JY13	3
	Spring plastic rod	0,040	ZC2-JY81	3
	Spring metal rod	0,040	ZC2-JY91	3
	Variable length lever with delrin roller	0,050	ZC2-JY41	3

Dimensions, Limit switches, Series PXC

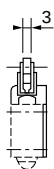
All dimensions in mm unless otherwise stated

3/2 miniature limit switches

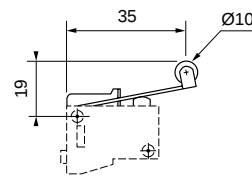
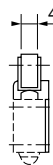
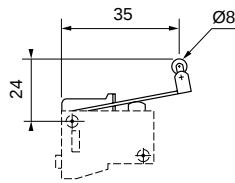
PXC-M111



PXC-Z12

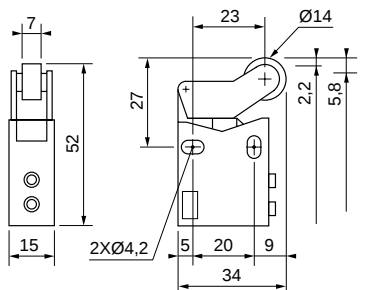
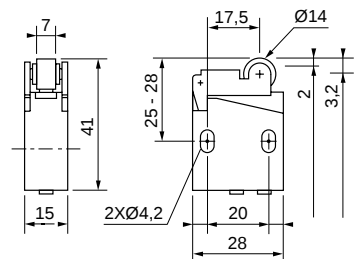


PXC-Z11



PXC-M121 - PXC-M131

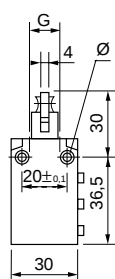
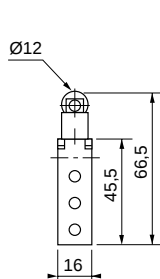
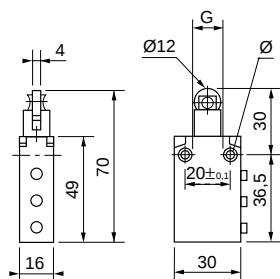
PXC-M521



3/2 compact limit switches

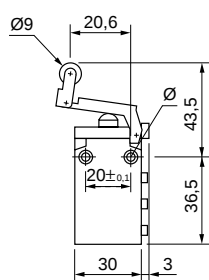
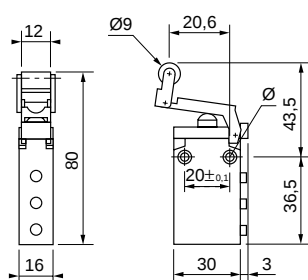
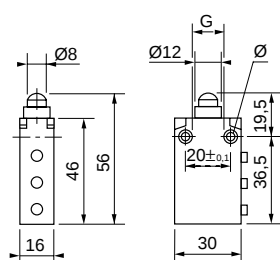
PXC-M601A102

PXC-M601A103



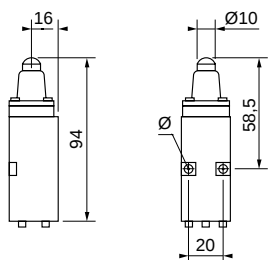
PXC-M601A110

PXC-M601A102+XCM-Z24

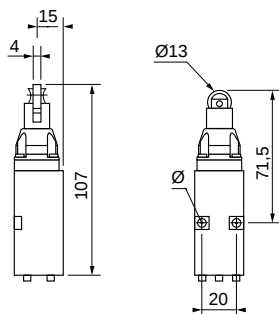


With plunger heads

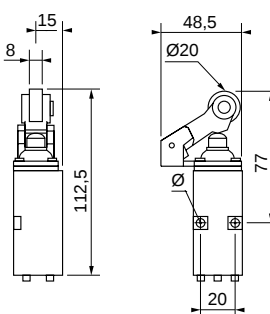
PXC-K21101, PXC-K22101



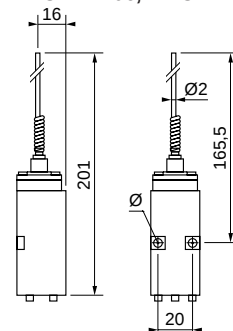
PXC-K21102, PXC-K22102



PXC-K21121, PXC-K22121

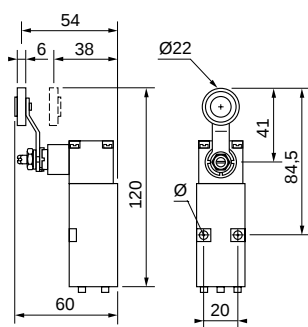


PXC-K21106, PXC-K22106

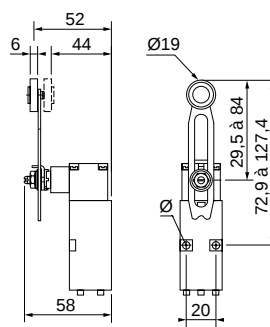


With rotary heads and operating levers

PXC-K21110531, PXC-K2210531



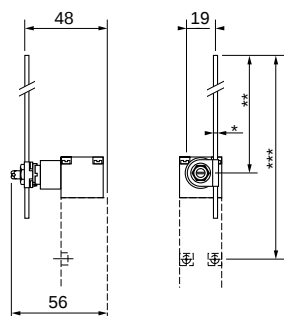
PXC-K21110541, PXC-K2210541



Ø=2 holes Ø5,2 mm

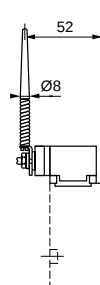
With rotary heads and operating levers

ZCK-Y54, ZCK-Y55

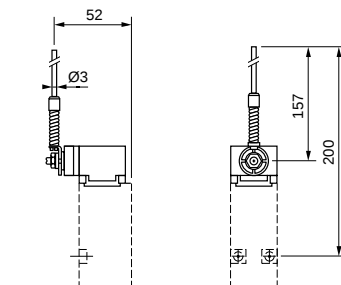


	ZCK-Y55	ZCK-Y54
*	Ø3	Ø3
**	11 to 115	11 to 115
***	53 to 158	53 to 158

ZCK-Y81

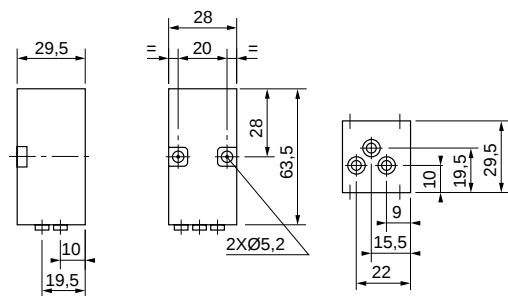


ZCK-Y91



Pneumatic switch bodies

PXC-K211, PXC-K221



PXC-J11161, PXC-J12161 PXC-J11162, PXC-J12162 PXC-J11170, PXC-J12170

